

9840 INTELLIGENT INDICATOR

FEATURES & BENEFITS

- TEDS Plug & Play Ready IEE1451.4 compliant
- 1 or 2 channel
- Remote sense excitation
- 5 & 6 point linearization
- Bipolar
- ±999,999 display counts
- Nonlinearity < ±0.005%
- Auto setup for multiple load cells
- Fast, direct analog output
- ±10 VDC scalable analog output – 16 bit
- Full duplex RS232C communication
- Peak/valley hold with front panel reset
- Front panel and remote tare
- 8 selectable digital filters
- Auto zero
- Front panel shunt calibration with two selectable resistors
- Display units conversion: Lb, Kg, N, Psi, Mpa, Klb, kN, t, mV/V, lbf-in, oz-in, Nm
- Two-line display
- Quadrature encoder channel available
- mV/V calibration
- USB port

OPTIONS

- 2nd channel
- 2nd 16-bit scalable analog output
- Display Freeze/Remote Display Freeze
- 4-20 mA analog output
- Quad Limits
- RS485
- Multi-drop RS232
- Print Button
- 7-pin circular load cell connector
- Encoder Channel
- Second Line Enable on 1-channel unit
- Keylock



STANDARD CONFIGURATION



MODEL 9840-100-1-T (Shown)

SPECIFICATIONS

EXCITATION		
Voltage – VDC	5 or 10	
Current – MAX – mA	180	
OUTPUTS		
Serial Interface	RS232 duplex	
Output – Analog, 16 bit – VDC	Scalable, ±10	
Output – Analog, Direct – Hz	1.5K	
Output – Analog – mA	4–20 (optional)	
Limits	Quad-programmable	
PERFORMANCE		
Maximum Display Counts	±999,999	
Display Update / sec.	4	
Internal Resolution – bits	24	
Signal Input Range – mV/V	±4.5	
Programmable Count - by	1, 2, 5, 10, and 20	
Conversion Rate / sec.	60	
Maximum Error – %FS	0.01 ±1 count	
CMRR – dB	115	
ENVIRONMENTAL		
Operating Temperature	°F	+32 to +122
	°C	0 to +50
Storage Temperature	°F	+14 to +140
	°C	-10 to +60
Relative Humidity – MAX%	°F	95 (104) non-condensing
	°C	95 (40) non-condensing
POWER		
AC Power – VAC, Hz	115 or 230, 50–60	
DC Power (option)	Available as a special	
Power Consumption – watts	12	
MECHANICAL		
Dimensions - W x H x D	in	7.5 x 2.5 x 9.5
	mm	190.50 x 63.50 x 241.30
Weight	lbs	5
	kg	2.26796
Display	Vacuum Fluorescent	
Unit Annunciator	Lb, Kg, Klb, kN, N, mV/V, lbf-in, oz-in, Nm	